

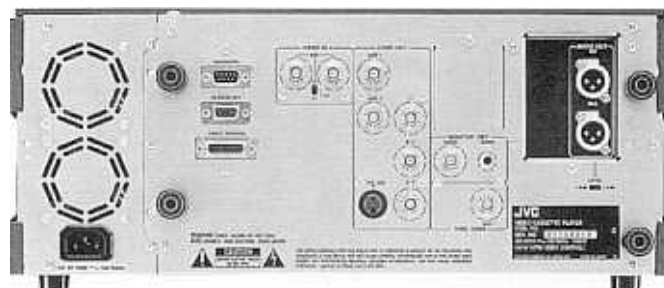
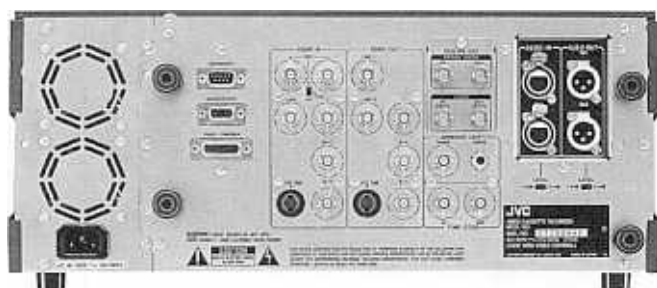
Professional Editing Recorder / Player

D-9
COMPONENT DIGITAL

BR-D750U

BR-D350U

COMPONENT DIGITAL
4:2:2



BR-D750U Recorder

- High quality 50Mbps, 8 bit, 4:2:2 D-9 recording
- RS-422A standard assemble / Insert editing and control with external editing controllers
- Frame-by-frame recording and editing
- Manually adjustable analog audio record levels
- Re-generation of external time code, or Jam sync

Both BR-D750U Recorder and BR-D350U player

- High quality 50Mbps, 8 bit, 4:2:2 Digital S playback
- 2 hour (124 minute) duration with DS-124 cassette
- $\pm 1/3$ variable speed playback (field / frame selectable)
- Analog I/O: Composite, Y/C, Component (Y, R-Y, B-Y)
- Two independently editable 16 bit 48 kHz PCM audio channels
- Cue audio track allows monitoring at slow and search speeds
- Front panel TBC adjustment of System, SC and video phases
- Remote TBC adjustment via 15 pin D-Sub connector including video level, chroma phase, chroma level, and pedestal level
- RS-422A control & RS-232C serial port for diagnostics
- LTC / VITC time code
- Rugged die cast chassis using ceramic tape guide rollers and sapphire flanges for long life
- Center rotating head design for long head life

Options

- SA-D80U: Optional SMPTE 259U serial digital I/O and optional AES / EBU serial audio I/O (BR-D750U)
- SA-D50U: Optional SMPTE 259U serial digital output and optional AES / EBU serial audio output (BR-D350U)
- SA-K67U: Rack mount
- RM-G22U: TBC remote control unit

TBC remote control unit



RM-G22U

General		BR-D750U	BR-D350U
Rec/PB time		124 min (DS-124)	←
FF/Rew time		3 min (DS-104)	←
Still advance		±32 x visible picture (remote required)	←
Slow motion		±1/3 x with full picture quality	←
Tape		1/2 inch metal particle	←
Tape speed		57.737 mm/s	←
Tracks (video / audio)		10 per frame	←
Track pitch		20 nanometer	←
Control track		1	←
Audio cue tracks		2	←
Tape shift tolerance		±2 mm	←
Dimensions		W x H x D 16-15/16" x 7-7/16" x 22-3/8" (429 mm x 188 mm x 567mm)	
Weight		50.7 lbs. (23 kg)	48.5 lbs. (22 kg)
Power consumption		180 W	160 W
Power requirements		AC 120 V~, 60 Hz	←
Temperature	Operating	41 to 104°F (5 to 40°C)	←
	Storage	-4 to 140°F (-20 to 60°C)	←
Humidity		30% to 80%	←

Video			
Sampling		4:2:2 8-bit	←
		13.5 MHz	←
		R-Y/B-Y 6.75 MHz	←
Compression		3:3:1 DCT based intraframe coding	←
		50 Mbps	←
Frequency response (SDI in, analog out)	Y	0 to 4.5 MHz, +1.0 / -2.0 dB	←
	R-Y/B-Y	0 to 2 MHz, +/-1.0 dB	←
S/N (SDI in analog out)		55 dB	←
		-	-
		-	-
Balanced)		Option	←
Composite		1 Vp-p	←
Y/C:		Y: 1 Vp-p, C: 0.286 Vp-p (Burst)	←
Component		Y: 1 Vp-p R-Y / B-Y: 0.7 Vp-p	← (out)
Reference		0.45 Vp-p (loop)	←

Video Control Adjustment range		
System sync phase	±3 nanoseconds or more	←
System SC phase	360 degrees or more	←
Video phase	±1.0 nanoseconds or more	←
Video level	±3 dB or more (remote required)	←
Chroma level	±3 dB or more (remote required)	←
	±30 degrees or more (remote required)	←
	0 mV or less to 100 mV or more (remote required)	←

Audio		
System	2 ch PCM, 48 kHz, 16 bit	←
Frequency response	20 to 20,000 Hz +1/-1.5 dB	←
	Less than 85 dB (at 1 kHz)	←
	Less than 0.1% (1 kHz at operation level)	←
Crosstalk	Less than 75 dB (at 1 kHz)	←
Headroom	20 dB	←
Emphasis	Automatic switching in play	←
Wow and flutter	Below measurable level	←
SDI I/O	option	←
	Line: -6 / +4 dB high impedance balanced	←
	Line: -6 / +4 dB low impedance balanced	←
Monitor	-6 dB low impedance balanced	←
Headphones	Infinity to -17 dBs, 8 ohms	←

RM-G820U
Pre-read Editing Controller



See page 70.

RM-G870U
Multi-event A/B Roll
Editing Controller



See page 71

SA-D50U
SDI Output for BR-D50/51U



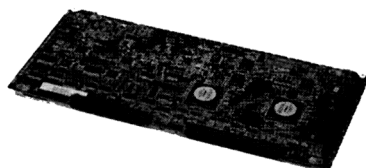
SA-D80U
SDI I/O for BR-D80U



SA-D52U
SDI Output for BR-D52U
(embedded audio)



SA-D92U
SDI I/O for BR-D92U
(embedded audio)



RM-G22U
TBC Remote Control for D-9



VC-G9050U
9-pin Remote Cable (5 m)
for Edit Control



SA-K67U
D-9 Rack Mount

